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European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,
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INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP03/ 12378

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl7 G06F3/02, G06F3/03, G06F3/033, H01H13/00, H01H13/70, H04M1/02, H04M1/23

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl7 G06F3/02, G06F3/03, G06F3/033, H01H13/00, H01H13/70, H04M1/02, H04M1/23, G06K9/62

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
 Japanese Utility Model Gazette 1926-1996, Japanese Publication of Unexamined Utility Model Applications 1971-2003, Japanese Registered Utility Model Gazette 1994-2003, Japanese Gazette Containing the Utility Model 1996-2003

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	GB 2367530 A (Nokia Mobile Phones Limited) 2002.04.10, whole document, figs 1-6	1-7, 16-23
A	& EP 1197835 A2 & US 2002/49070 A1 & JP 2002-196856 A	8-15
Y	JP 9-207412 A (Ricoh Company, Ltd) 1997.08.12, whole document, figs 1-5 (Family:none)	1-7, 16-23
A		8-15
Y	JP 8-129473 A (Toshiba corporation) 1996.05.21 claim 4, [0077] - [0083], fig.14 (Family:none)	3-6, 16, 17, 20, 21
A		8, 9
Y	JP 8-272516 A (Wacom corporation) 1996.10.18, whole document, figs 1-11 (Family:none)	4



Further documents are listed in the continuation of Box C.



See patent family annex.

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INTERNATIONALSEARCHREPORT

International application No.

PCT/JP03/ 12378

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5959615 A1(Sharp corporation)1999.09.28, whole document, figs 1-20 & JP 10-97504 A	4
Y	JP 2001-5599 A(Sharp corporation)2001.01.12, whole document, figs 1-42(Family:none)	7
A		8-15
Y	JP 11-212726 A(Omron corporation)1999.08.06, [0055]-[0056], figs 11-12(Family:none)	16,18,20, 22
A		10,11,14, 15
Y	JP 11-119911 A(Fujitsu Ten Limited)1999.04.30, whole document, figs 1-15(Family:none)	16,19,20, 23
A		12,13

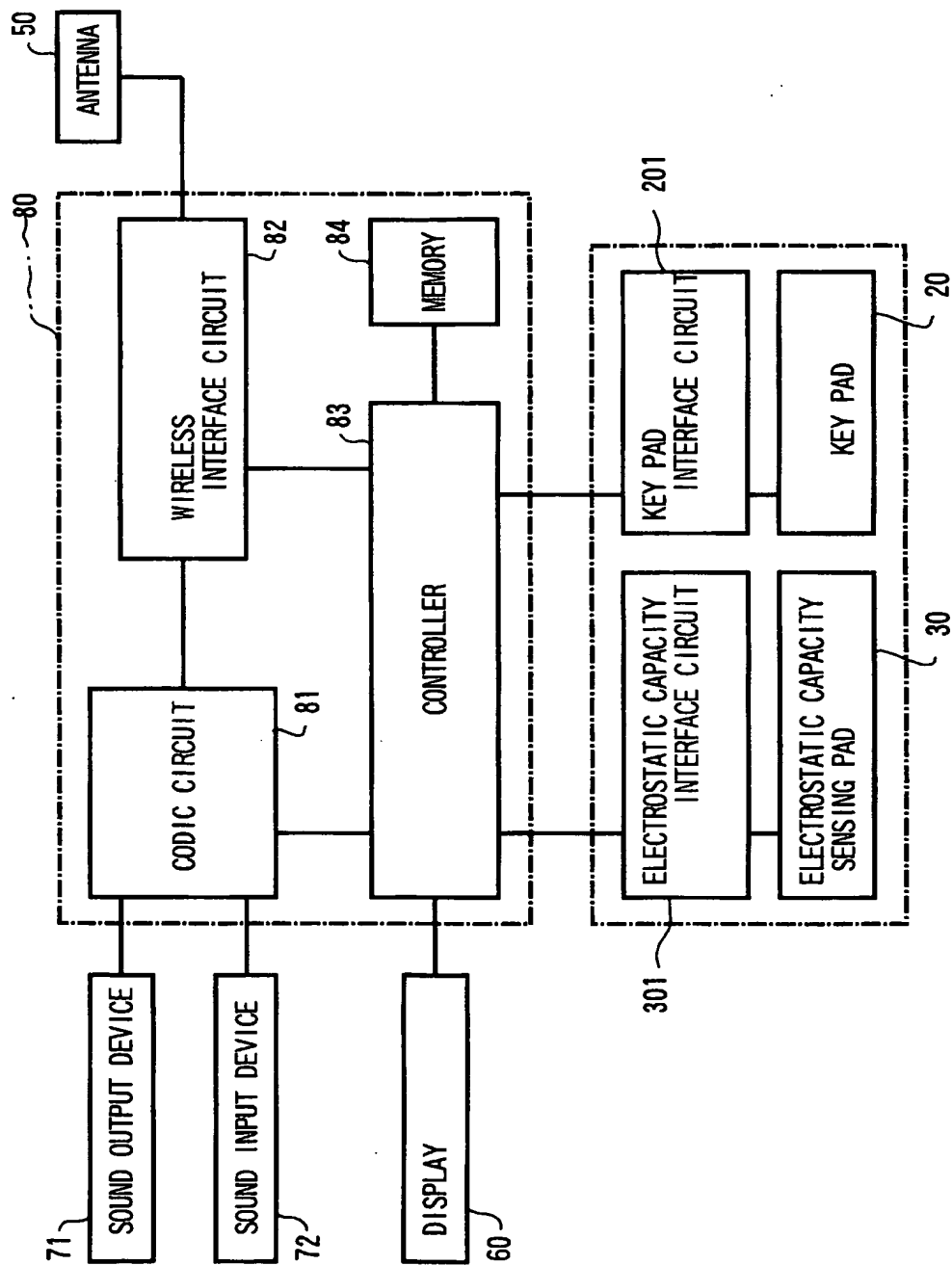


Fig. 1

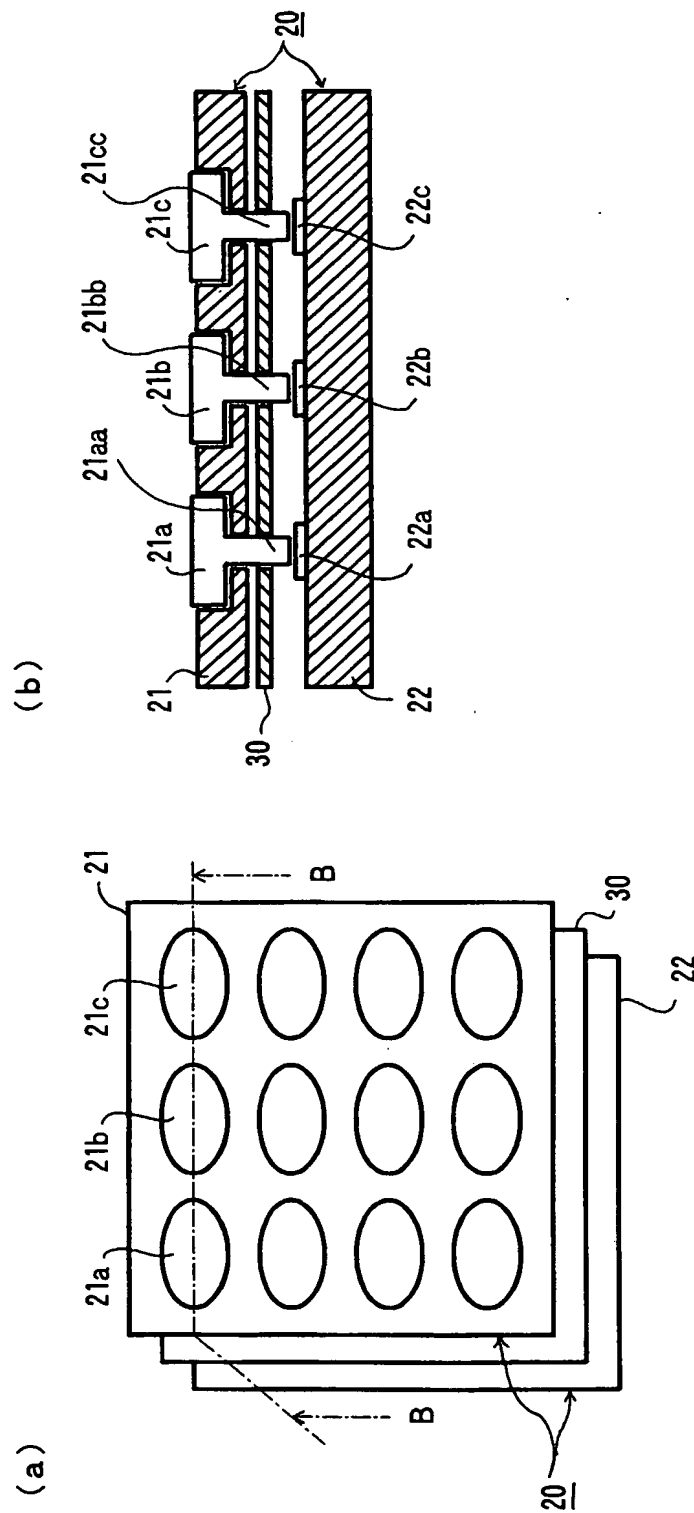
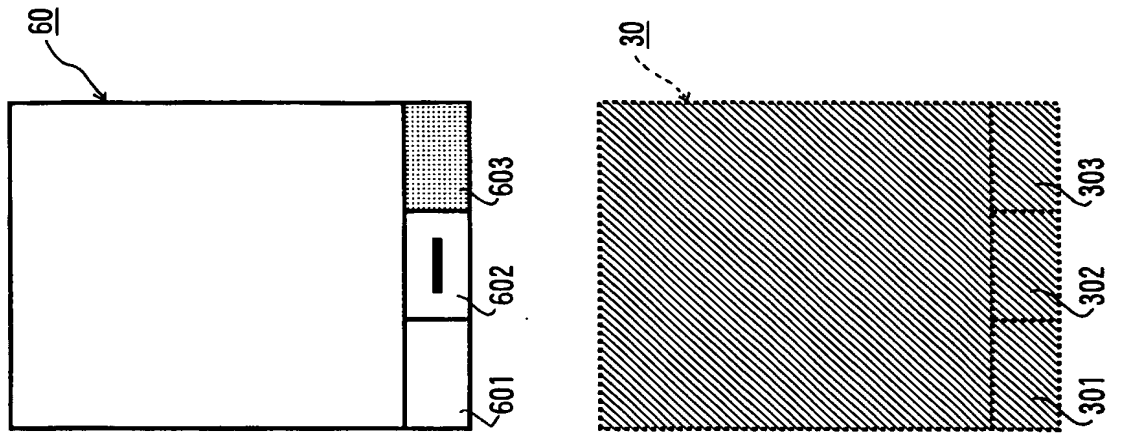
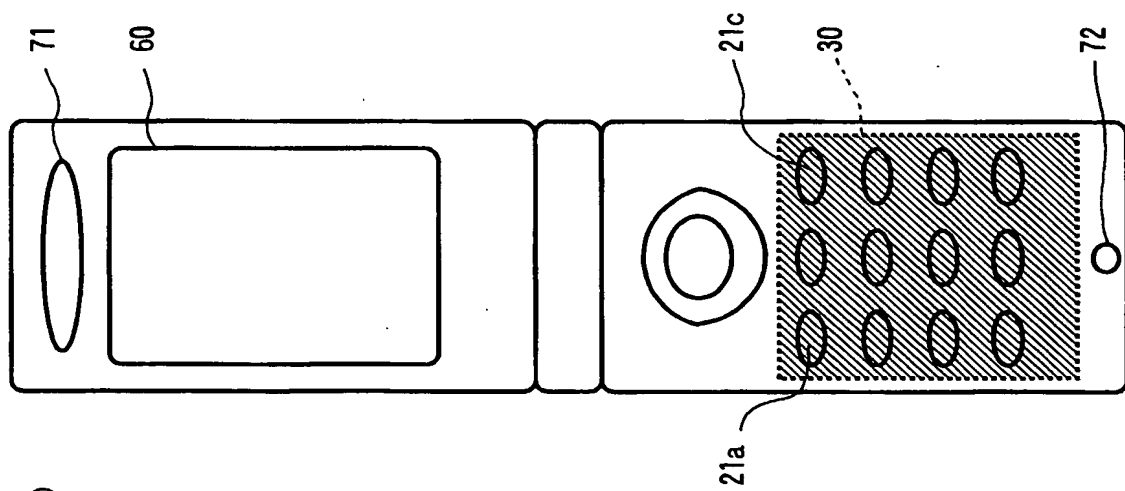


Fig. 2



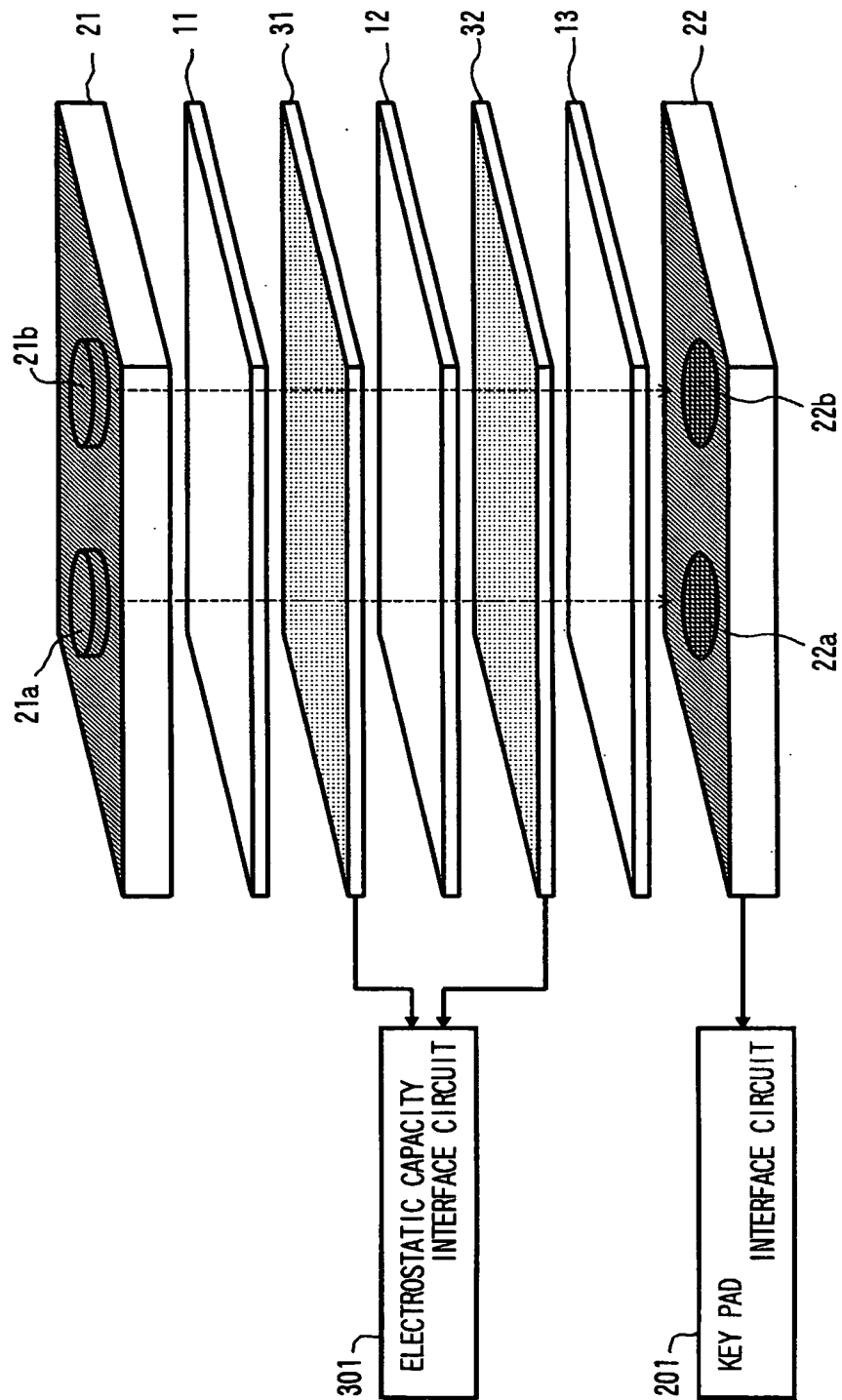
(b)



(a)

Fig. 3

Fig. 4



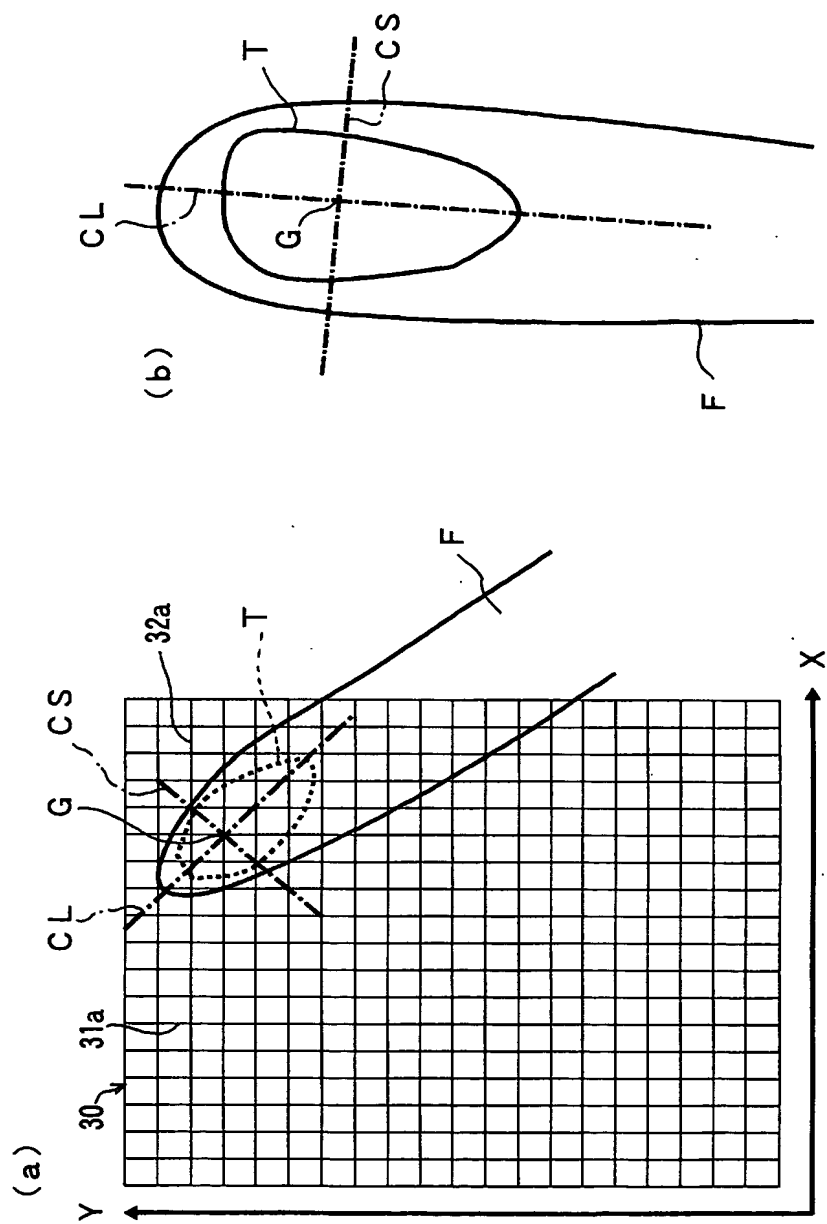
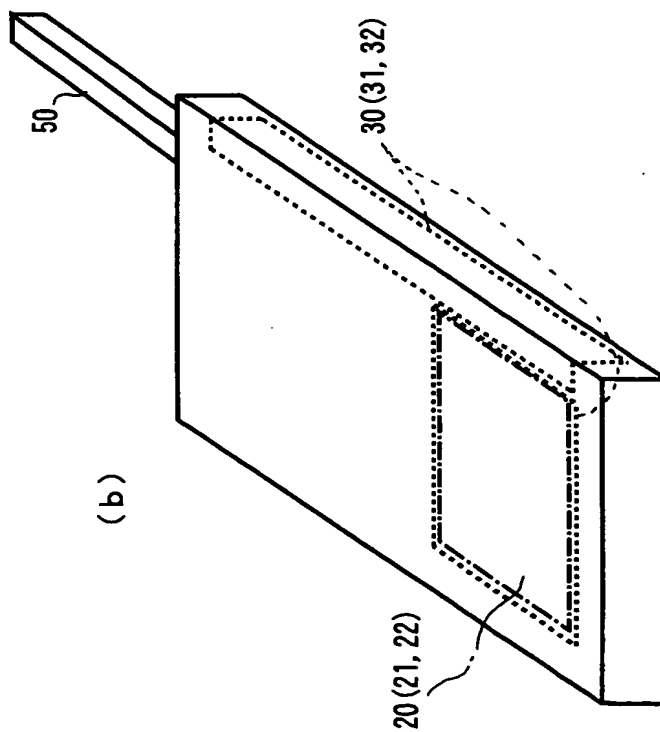


Fig. 5

Fig. 6

(a)



(b)

(b)

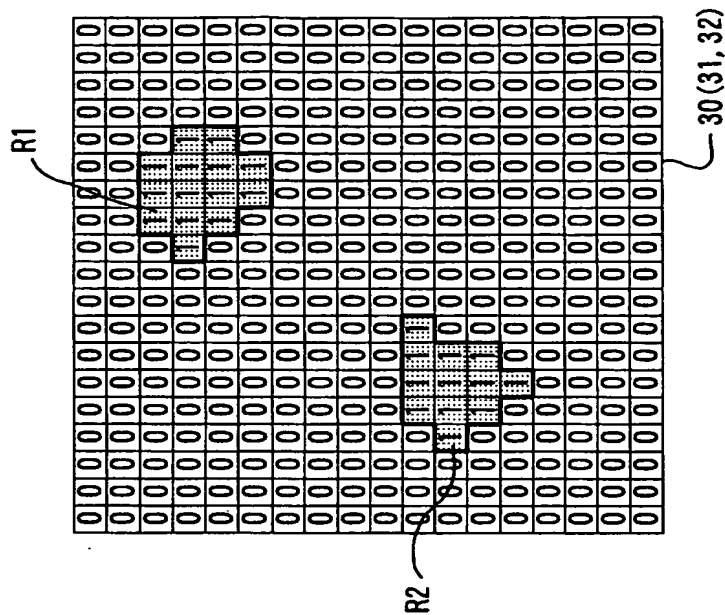


Fig. 7

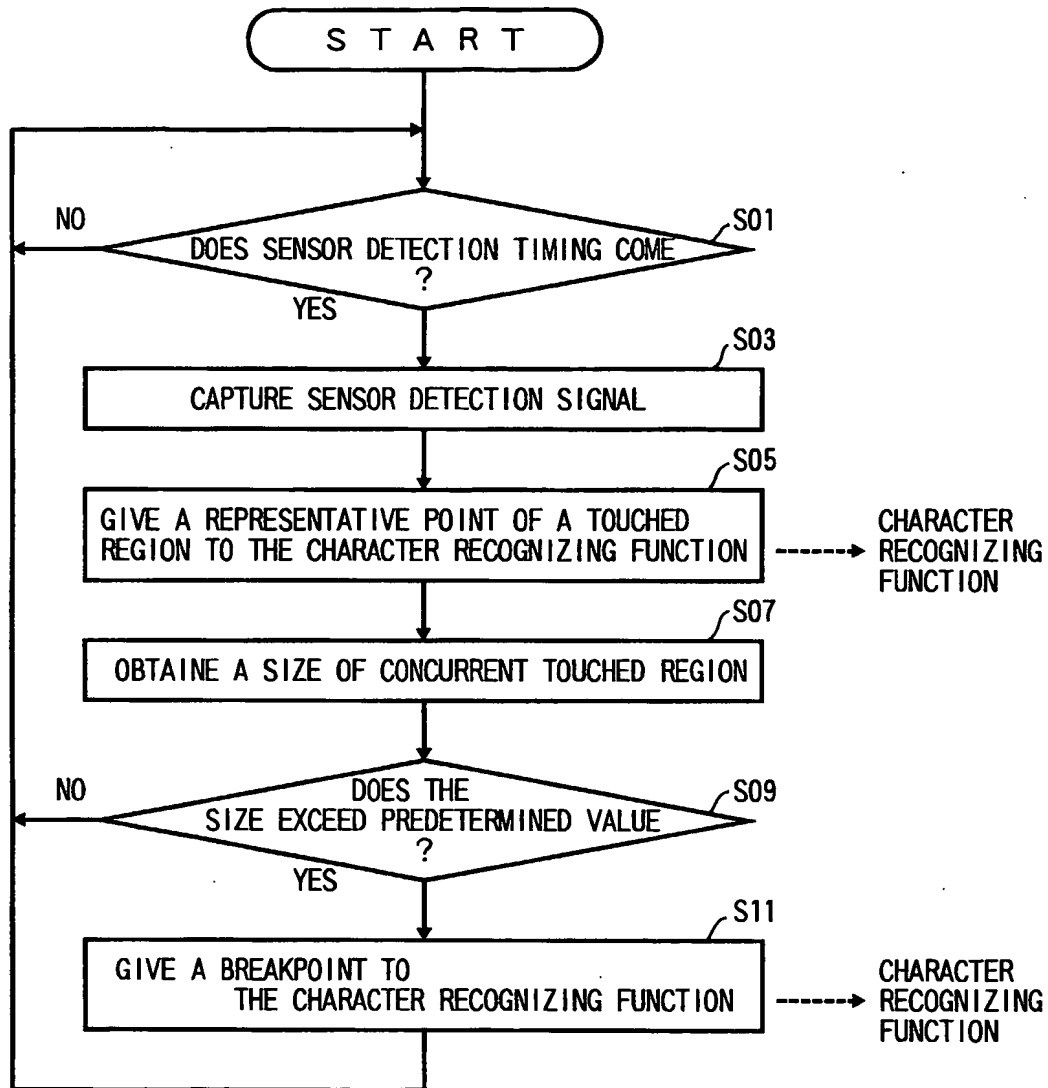


Fig. 8

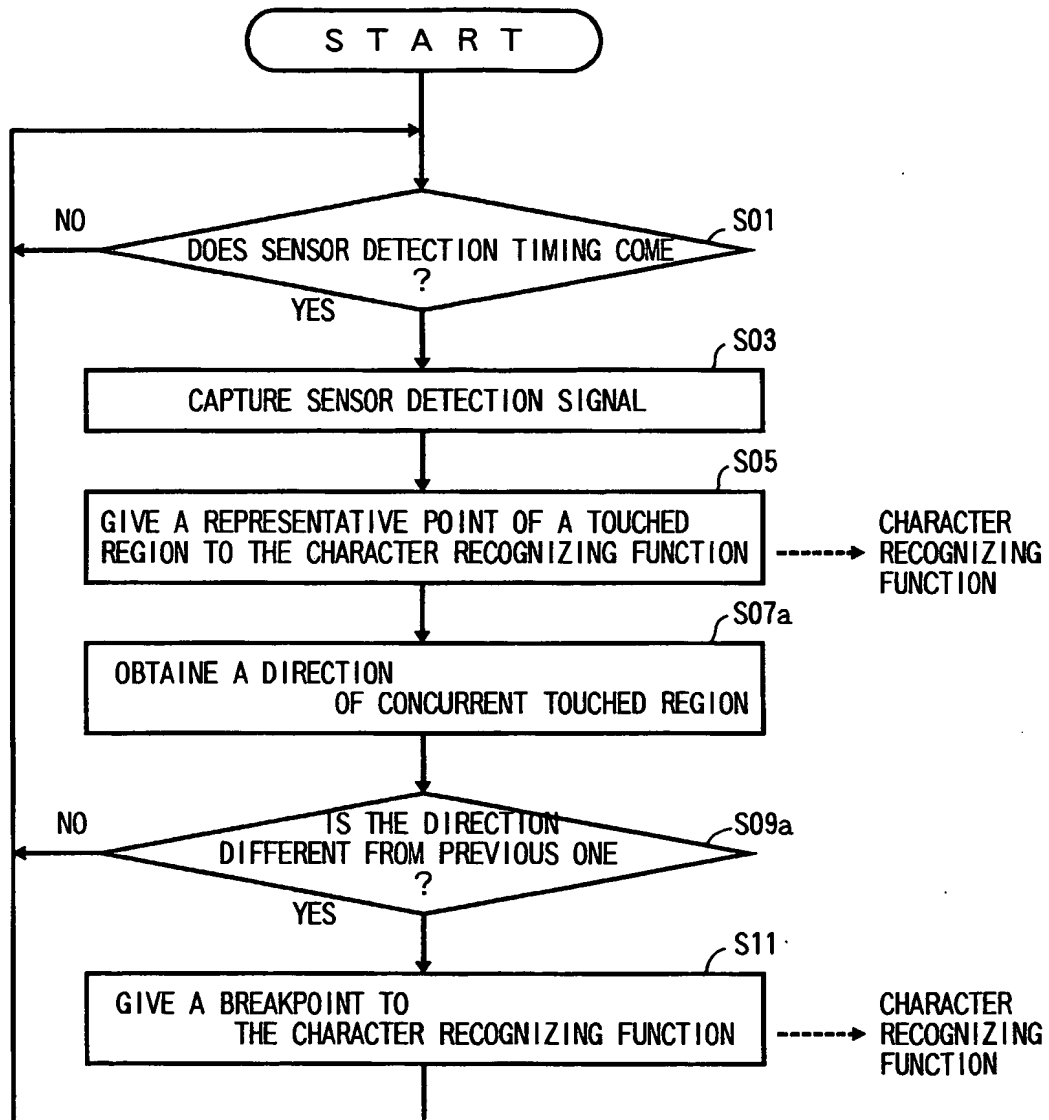


Fig. 9

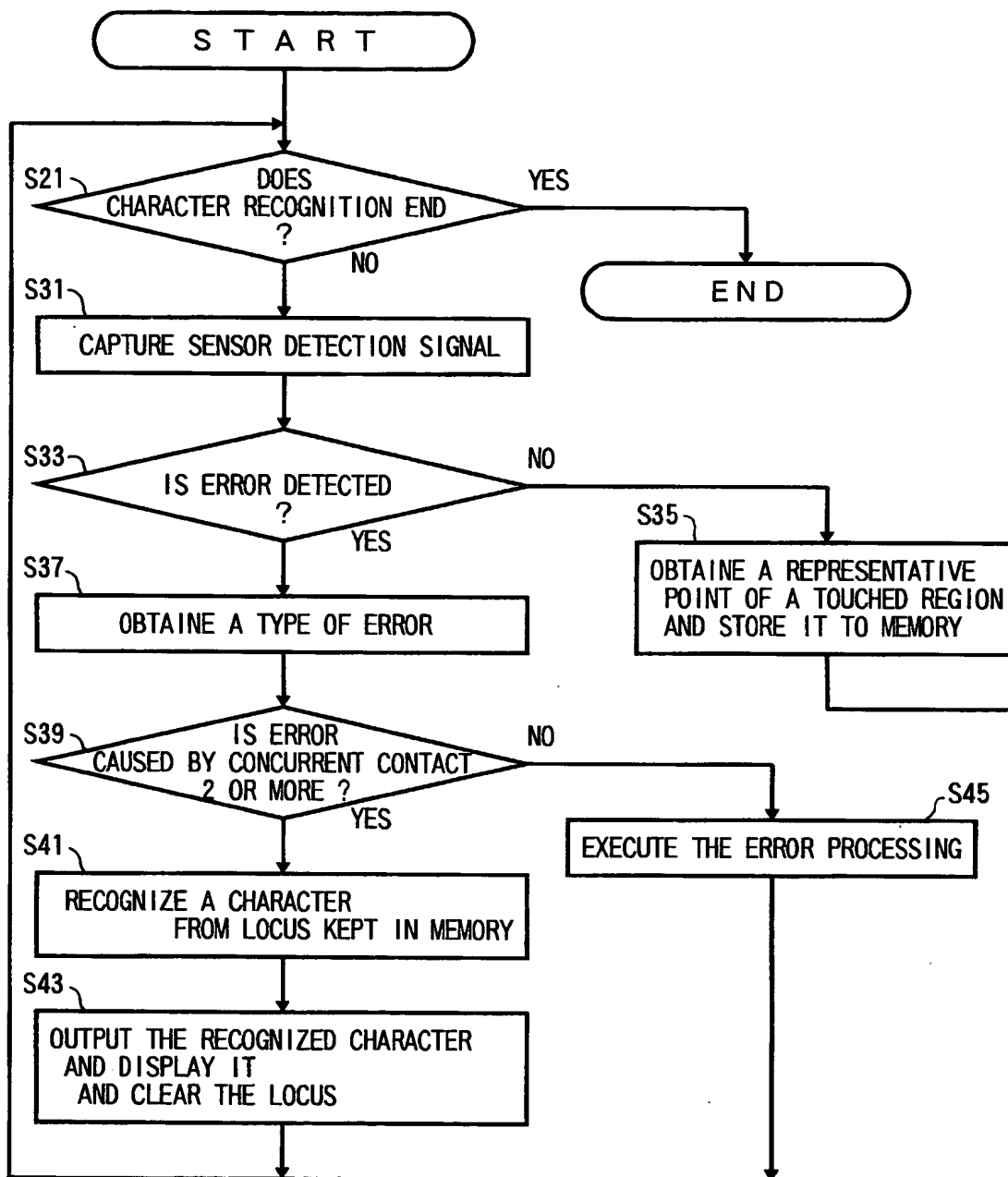
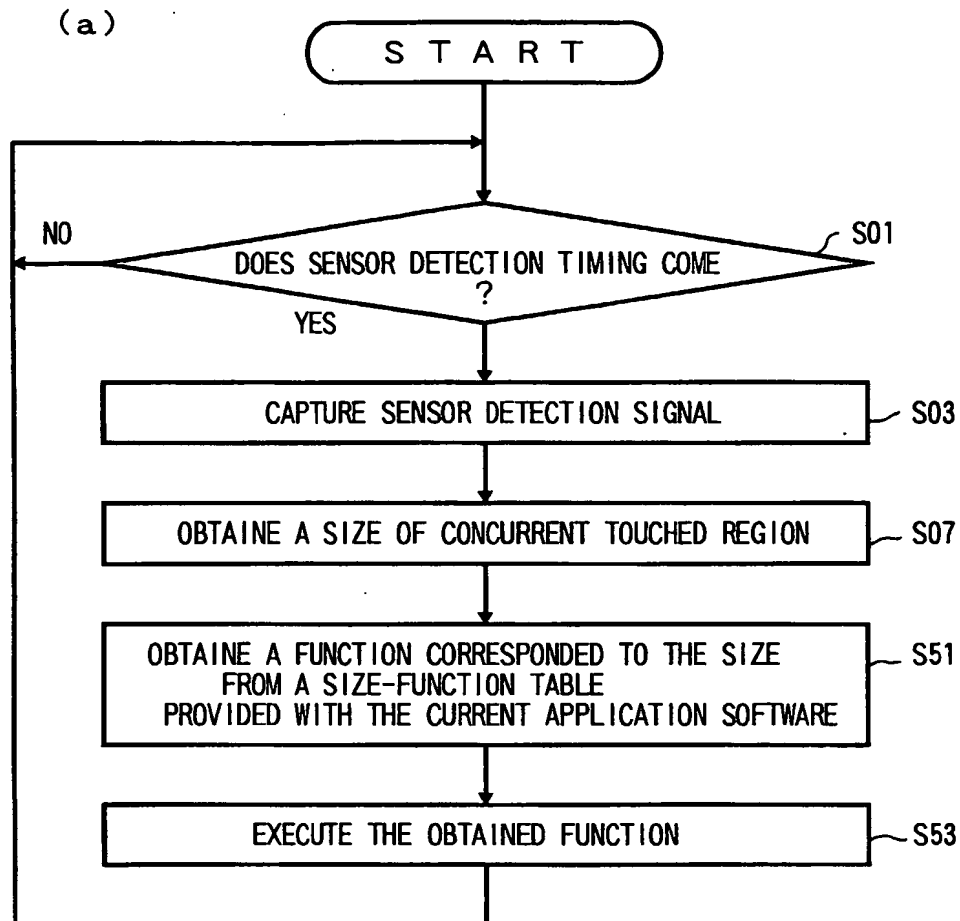


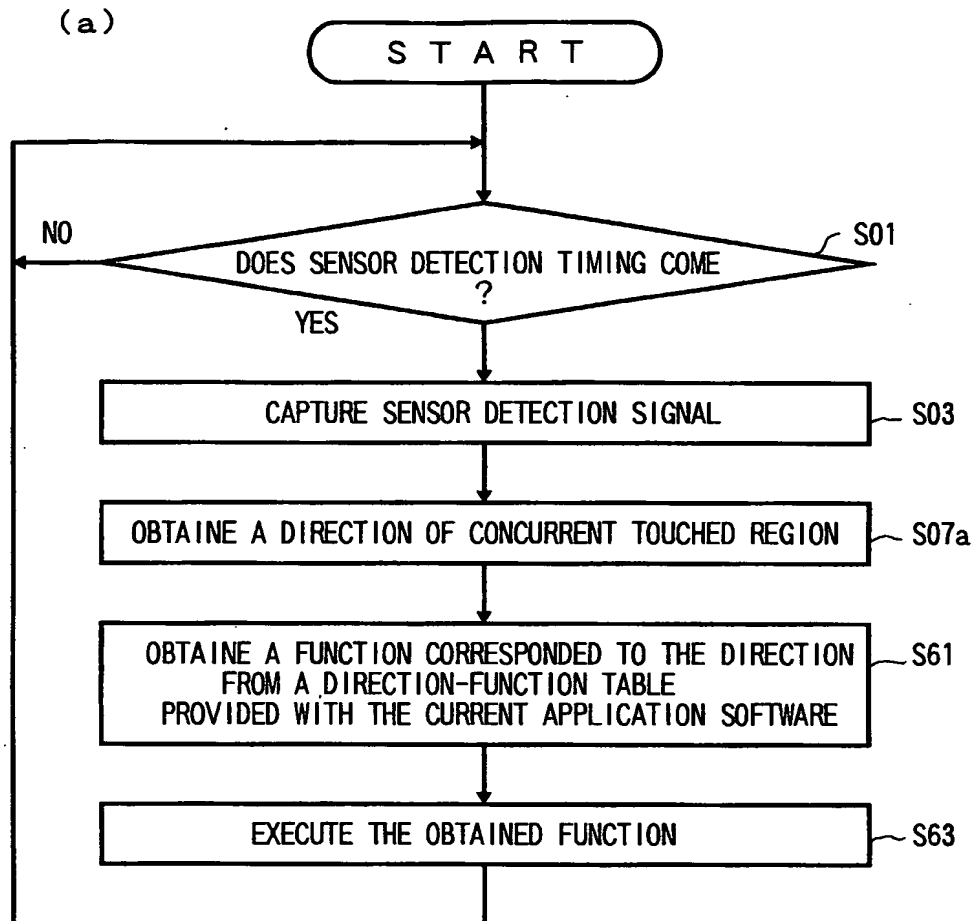
Fig. 10



(b)
SIZE-FUNCTION TABLE (FOR BBBB GAME)

SIZE (NUMBER OF DOTS)	FUNCTION
EQUIVALENT TO END OF FINGERTIP	MOVEMENT TO LOWER LEFT
EQUIVALENT TO ENTIRETY OF FINGERTIP	MOVEMENT TO UPPER LEFT
EQUIVALENT TO PAD OF FINGER	MOVEMENT TO UPPER RIGHT

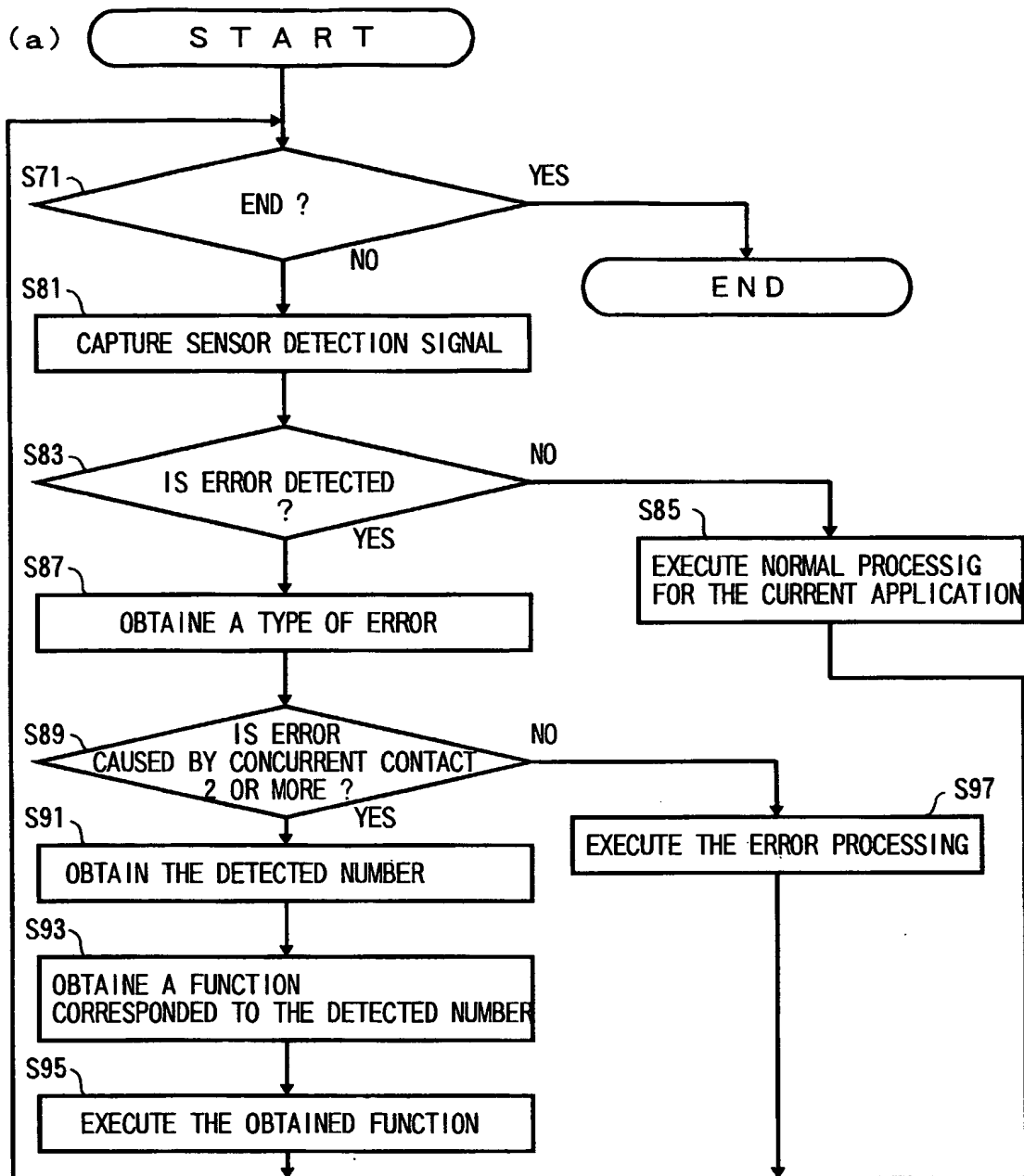
Fig. 11



(b)
DIRECTION-FUNCTION TABLE (FOR CCCC GAME)

DIRECTION (°)	FUNCTION
0 - 45	MOVEMENT TO LOWER LEFT
45 - 90	MOVEMENT TO UPPER LEFT
90 - 135	MOVEMENT TO UPPER RIGHT
135 - 180	MOVEMENT TO LOWER RIGHT

Fig. 12



(b) NUMBER OF TOUCHED REGION - FUNCTION TABLE (FOR AAAA GAME)

NUMBER OF TOUCHED REGION	FUNCTION
2	MOVEMENT TO LOWER LEFT
3	MOVEMENT TO UPPER LEFT
4	MOVEMENT TO UPPER RIGHT